

Massachusetts Army National Guard Camp Edwards, Massachusetts		DRAFT	
Confirmation of <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		Date Held Not applicable Location Not applicable Date Issued June 11, 2007 Recorded By	
Subject PROJECT NOTE T RANGE SITE PREPARATION PLAN		Issued By <div style="text-align: right;">COL Bill FitzPatrick</div>	

Item	Remarks	Action Required By
1.0	<u>INTRODUCTION</u> T Range is located at the northern central portion of Camp Edwards, just south of Gibbs Road. The Massachusetts Army National Guard is conducting certain site preparation activities in anticipation of resuming firing using lead ammunition at T Range. This Project Note describes the soil excavation proposed to reduce nitroglycerin (NG) concentrations at the T Range firing line as part of site preparation/construction planned for the firing line at T Range.	
2.0	<u>RESULTS OF PREVIOUS SAMPLING EVENTS</u> The firing line at T Range has been sampled several times since 2002 for various contaminants of potential concern: <ul style="list-style-type: none"> Investigation in 2002 included 6 samples along the firing line at three depths. Samples were analyzed for SVOCs (Method 8270) and metals. NG was not a target analyte using the 8270 method. Metals including lead were detected. A summary of the 2002 analytical data is included in the T Range Soil and Groundwater Investigation Report, 2006. Multi-increment soil samples were collected in April 2006 and analyzed for explosives (Method 8330) as well as semi-volatile organic compounds (SVOCs) (Method 8270) and metals. The firing line was divided into three sections for sampling. The center section was subdivided into two parts to evaluate the importance of distance from the firing points on contaminant distribution. Only the center sections were analyzed for explosives. Figure 1 shows the layout of the sample areas. <p>NG was detected at 47,000 and 26,000 ppb (average 36,500 ppb) in sample areas at the center of the mounded firing line. The propellant compound 1,3 diethyl 1,3 phenyl urea was also detected (average 1,550 ppb). No other explosives were detected. Lead was detected at an average concentration of 464 ppm.</p> <p>One sample was collected from 0-3" at Area 1 Center South. NG was the only explosive detected (3,200 ppb). Lead was detected at 386 ppm. A sample was collected from the same area at 9-12" below grade to assess the depth of contamination. No nitroglycerin was detected in this sample and the lead concentration was 100 ppm.</p>	

- In January 2007, two additional multi-increment samples (primary and replicate) were collected from Area 1 Center North from 0-3" to assess how contaminant concentrations had changed since the previous sampling event nine months earlier. Analyses detected NG at 17,000 and 21,000 ppb (average 19,000 ppb).

3.0 **RESULTS OF INVESTIGATION TO ASSESS FIRING POINT AREAS**

In order to further define the NG distribution and to assist in developing leaching models, the firing line area was subdivided into 12 approximately equally sized areas of about 2,900 sf each and samples were collected in April 2007. The sample areas are shown on Figure 2. Samples were analyzed for explosives, lead and other metals, pH, and total organic carbon (TOC).

Samples were collected from each area from 0-3" below grade. Within sample areas Center 1 and Center 2, soil profile samples were also collected from 3-6", 6-9", 9-12", 12-18", and 18-24". All samples from within areas Center 1 and Center 2 were also analyzed for NG and its breakdown products by EPA method 8332. All samples were 50-point composites using the CRREL multi-increment sampling method except in areas Center 1 and Center 2 where 30-point samples were collected due to the difficulty of collecting samples to the desired 2-foot depth. Each sample was ground to a fine powder prior to analyses.

The analytical results of the explosives analyses (Method 8330) indicate that elevated concentrations of NG are limited to surface soils in the area directly in front of the 50-caliber firing line mounds (sample areas Center 1, West 1 and East 1). Low concentrations, barely above the reporting limit of the analysis, were also detected in surface soils in two other sample areas. Figure 2 shows the sample locations with the NG concentrations detected at the surface by the 8330 analysis.

Samples collected from 3 inches to a depth of 2 feet below grade in Area Center 1 indicate the presence of low level concentrations of NG slightly above the analytical reporting limit (2,500 ppb). These concentrations are all similar with no apparent trend. NG was not detected in the profile samples from area Center 2.

Table 1 summarizes the NG data from the samples including both the 8330 and the 8332 analyses (where applicable).

4.0 **EVALUATION OF NG CONCENTRATIONS**

Using the power fitting equations derived for EPA by INEEL (Rood April 11, 2007), the "maximum allowable soil concentration (MASC)" for NG from 0-3 inches below grade from a contaminated area with length parallel to groundwater flow of 40 feet is approximately 8,000 ppb. Only areas Center 1 and West 1 are above that calculated level. Area East 1 had a NG concentration of 6,150 ppb (from four replicate samples) which is near the MASC for surface samples.

From a depth of 3 inches below grade to 2 feet below grade (1.75 feet) the calculated MASC is 1,150 ppb. Since the average of the results from this depth in area Center 1 is slightly greater than this value (3,280 ppb), the soils below 3 inches in area Center 1 may impact to the groundwater. It is assumed that the soils deeper than 3 inches below grade in area West 1 and East 1 would only be lower than the

concentrations at depth in area Center 1 because the surface concentration is considerably lower than in Center 1. Therefore, excavation below 3 inches is also probably not needed in areas West 1 and East 1.

5.0 PLANNED EXCAVATION

The contaminated surface soil in sample areas Center 1, West 1, and East 1 will be excavated and transported off-Tango Range as part of the Mass Guard's range improvement project. The excavation will include these entire sample areas to a depth of 3 inches (approximately 85 cy). Then, the soil in area Center 1 will be excavated to a depth of 24 inches below the original grade (i.e. 21 additional inches) (approximately 200 cy). That soil will be stockpiled and managed separately from the surface soils because the NG concentration below 3 inches is much lower based on the pre-excavation sampling.

All of the excavated soil will be transported to the existing stockpile area at KD and/or C Range which was generated during the Mass Guard's berm maintenance program in May 2006. The soil will be stockpiled on and covered with poly sheeting (minimum 6 mil thickness).

Once the excavation is complete, post-excavation samples will be collected from all three areas to document the concentrations remaining in the soil, if any. Areas West 1 and East 1 will be sampled to provide separate composite samples at three different depths (0-6", 6-12", and 12-18"). 30 aliquots will be collected from each of these areas using the CRREL multi-increment approach to obtain a representative composite sample. In area Center 1, the post-excavation sample will be a 30-aliquot composite sample also following the CRREL approach collected from the bottom of the excavation to a depth of 3 inches.

Each sample will be ground by CRREL and analyzed by STL laboratories by EPA method 8332 which is specifically intended for analysis of NG. This analysis provides a reporting limit (1,000 ppb) that is equal to the MASC for up to 24" of soil depth as derived by EPA.

If NG is detected in post excavation samples at concentrations above the MASCs, lysimeters can be installed to determine if NG is leaching to the pore water. If sampling indicates that the remaining soil does not contain NG above the MASC, there will be no need to install lysimeters because there would be no contaminant to detect in the pore water.

6.0 SCHEDULE

Excavation and transport of the soil is currently scheduled to be begin June 13, 2007. Confirmatory samples will be collected upon completion and then the reconstruction of the excavated area will be completed prior to a return to firing on the range, currently scheduled for July 2, 2007.

7.0 ENCLOSURES

Figure 1: T Range Historic Sampling

Figure 2: T Range Firing Line Sampling

Table 1: Soil Sampling Results - Preliminary

8.0

SIGNATURES

The signatures below confirm concurrence with this project note.

EPA Representative

MassDEP Representative

MAARNG Representative

Area 2 Center									
ANALYTE	Date	Units	(0-3")	(0-3") Rep	Backgd	SSL	PRG	S-1/GW-1	RCS-1
PERCHLORATE	4/26/2006	µg/kg	ND	ND		3.1395	7821		
NITROGLYCERIN	4/26/2006	µg/kg	ND	ND		1.0168	34741		50000
LEAD	4/26/2006	mg/kg	123	99.1	19	4.0526	40	300	300
COPPER	4/26/2006	mg/kg	742	355	11	45.727	313		1000
ANTIMONY	4/26/2006	mg/kg	ND	ND	1.9	0.271	3.13	20	20
ARSENIC	4/26/2006	mg/kg	3.6	3.1	5.5	0.009	2.16	20	20
TUNGSTEN	4/26/2006	mg/kg	77.1	46.5					

Area 2 East									
ANALYTE	Date	Units	(0-3")	Backgd	SSL	PRG	S-1/GW-1	RCS-1	
LEAD	4/21/2006	mg/kg	78.3	19	4.0526	40	300	300	
COPPER	4/21/2006	mg/kg	174	11	45.727	313		1000	
ANTIMONY	4/21/2006	mg/kg	ND	1.9	0.271	3.13	20	20	
ARSENIC	4/21/2006	mg/kg	2.7	5.5	0.009	2.16	20	20	
TUNGSTEN	4/21/2006	mg/kg	15.5						

Area 2 West									
ANALYTE	Date	Units	(0-3")	Backgd	SSL	PRG	S-1/GW-1	RCS-1	
LEAD	4/21/2006	mg/kg	131	19	4.0526	40	300	300	
COPPER	4/21/2006	mg/kg	312	11	45.727	313		1000	
ANTIMONY	4/21/2006	mg/kg	ND	1.9	0.271	3.13	20	20	
ARSENIC	4/21/2006	mg/kg	3.9	5.5	0.009	2.16	20	20	
TUNGSTEN	4/21/2006	mg/kg	25.4						

Area 1 Center North									
ANALYTE	Date	Units	(0-3")	(0-3") Rep	Backgd	SSL	PRG	S-1/GW-1	RCS-1
PERCHLORATE	4/26/2006	µg/kg	ND	ND		3.1395	7821		
NITROGLYCERIN	4/26/2006	µg/kg	26000	47000		1.0168	34741		50000
1,3-DIETHYL-1,3-DIPHENYL UREA	4/26/2006	µg/kg	800	2300					
LEAD	4/26/2006	mg/kg	461	467	19	4.0526	40	300	300
COPPER	4/26/2006	mg/kg	31.5	30.5	11	45.727	313		1000
ANTIMONY	4/26/2006	mg/kg	1.7 J	2 J	1.9	0.271	3.13	20	20
ARSENIC	4/26/2006	mg/kg	3	2.8	5.5	0.009	2.16	20	20
TUNGSTEN	4/26/2006	mg/kg	0.86	0.9					

Area 1 Center South									
ANALYTE	Date	Units	(0-3")	(9-12")	Backgd	SSL	PRG	S-1/GW-1	RCS-1
PERCHLORATE	4/27/2006	µg/kg	ND	ND		3.1395	7821		
NITROGLYCERIN	4/27/2006	µg/kg	3200	ND		1.0168	34741		50000
LEAD	4/27/2006	mg/kg	386	100	19	4.0526	40	300	300
COPPER	4/27/2006	mg/kg	110	41.4	11	45.727	313		1000
ANTIMONY	4/27/2006	mg/kg	1.9 J	0.93 J	1.9	0.271	3.13	20	20
ARSENIC	4/27/2006	mg/kg	3	3.7	5.5	0.009	2.16	20	20
TUNGSTEN	4/27/2006	mg/kg	3.5	0.99					

Area 1 East									
ANALYTE	Date	Units	(0-3")	(0-3") Rep	Backgd	SSL	PRG	S-1/GW-1	RCS-1
LEAD	4/26/2006	mg/kg	87.4	117	19	4.0526	40	300	300
COPPER	4/26/2006	mg/kg	22.2	9	11	45.727	313		1000
ANTIMONY	4/26/2006	mg/kg	ND	ND	1.9	0.271	3.13	20	20
ARSENIC	4/26/2006	mg/kg	2.2	2.1	5.5	0.009	2.16	20	20
TUNGSTEN	4/26/2006	mg/kg	1.1	0.81					

Area 1 West									
ANALYTE	Date	Units	(0-3")	(0-3") Rep	Backgd	SSL	PRG	S-1/GW-1	RCS-1
LEAD	4/26/2006	mg/kg	180	243	19	4.0526	40	300	300
COPPER	4/26/2006	mg/kg	42.7	42.8	11	45.727	313		1000
ANTIMONY	4/26/2006	mg/kg	0.83 J	0.85 J	1.9	0.271	3.13	20	20
ARSENIC	4/26/2006	mg/kg	3	2.8	5.5	0.009	2.16	20	20
TUNGSTEN	4/26/2006	mg/kg	1	1.4					

Area 3 Center									
ANALYTE	Date	Units	(0-3")	(0-3") Rep	Backgd	SSL	PRG	S-1/GW-1	RCS-1
PERCHLORATE	4/21/2006	µg/kg	ND	ND		3.1395	7821		
LEAD	4/21/2006	mg/kg	66.2	97.1	19	4.0526	40	300	300
COPPER	4/21/2006	mg/kg	36	31.6	11	45.727	313		1000
ANTIMONY	4/21/2006	mg/kg	ND	ND	1.9	0.271	3.13	20	20
ARSENIC	4/21/2006	mg/kg	3.2	3.2	5.5	0.009	2.16	20	20
TUNGSTEN	4/21/2006	mg/kg	3	3.2					

Area 3 East									
ANALYTE	Date	Units	(0-3")	Backgd	SSL	PRG	S-1/GW-1	RCS-1	
LEAD	4/21/2006	mg/kg	82.5	19	4.0526	40	300	300	
COPPER	4/21/2006	mg/kg	29.1	11	45.727	313		1000	
ANTIMONY	4/21/2006	mg/kg	ND	1.9	0.271	3.13	20	20	
ARSENIC	4/21/2006	mg/kg	3.9	5.5	0.009	2.16	20	20	
TUNGSTEN	4/21/2006	mg/kg	11.8						

Area 3 West									
ANALYTE	Date	Units	(0-3")	Backgd	SSL	PRG	S-1/GW-1	RCS-1	
LEAD	4/21/2006	mg/kg	41.4	19	4.0526	40	300	300	
COPPER	4/21/2006	mg/kg	8.4	11	45.727	313		1000	
ANTIMONY	4/21/2006	mg/kg	ND	1.9	0.271	3.13	20	20	
ARSENIC	4/21/2006	mg/kg	3.3	5.5	0.009	2.16	20	20	
TUNGSTEN	4/21/2006	mg/kg	0.69						



Impact Area
Groundwater Study Program

LEGEND



Sampling Grids



GroundwaterFlowDirection

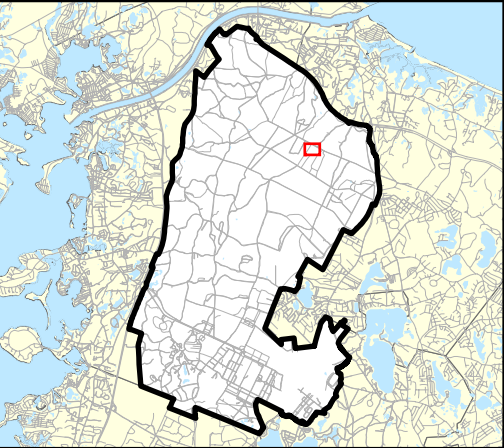


Soil Grid



Monitoring Well

LOCATION MAP



NOTES & SOURCES

Basemap data from US Geological Survey 7 1/2 minute
Topographic Maps: Source: MassGIS
Aerial Photos: Color Digital Orthophotos; Date Flown: 2002
Source: EarthData International

TITLE

T Range
Project Note Sampling Results

0 100
Feet



US Army Corps
of Engineers®
New England District

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December 12, 2006 DWN: MTW CHKD: SEL



FIGURE

3-4



Impact Area Groundwater Study Program

LEGEND

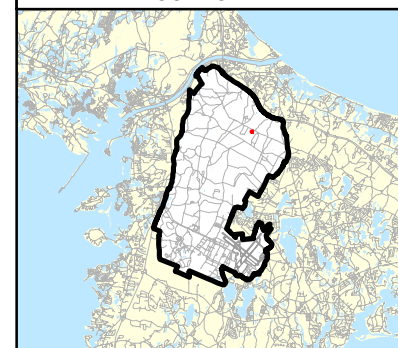


Sample Areas



To Be Excavated

LOCATION MAP



NOTES & SOURCES

Basemap data from US Geological Survey 7 1/2 minute
Topographic Maps: Source: MassGIS
Aerial Photos: Color Digital Orthophotos; Date Flown: 2002
Source: EarthData International

TITLE

T Range
Excavation Areas



US Army Corps
of Engineers
New England District

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Figure
2

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June 12, 2007 DWN: MTW CHKD: PSN

Tango Range - Preliminary Data

Data has NOT been validated

Area of Concern	Location	Sample ID	Date	Top of Sampling Interval (inches)	Bottom of Sampling Interval (inches)	Method	Analyte	Result	Qual	RL	Units
Tango Range	W-1	SSTRW1S-0-3-01	4/18/2007	0	3	SW8330	Nitoglycerine	33000		2500	ug/Kg
Tango Range	W-1	SSTRW1S-0-3-01	4/18/2007	0	3	SW9045	pH	6.1		0	SU
Tango Range	W-1	SSTRW1S-0-3-01	4/18/2007	0	3	TOC - LK	Total Organic Carbon	25700		500	mg/Kg
Tango Range	W-1	SSTRW1S-0-3-02	4/18/2007	0	3	SW8330	Nitoglycerine	30000		2500	ug/Kg
Tango Range	W-1	SSTRW1S-0-3-02	4/18/2007	0	3	SW9045	pH	6.2		0	SU
Tango Range	W-1	SSTRW1S-0-3-02	4/18/2007	0	3	TOC - LK	Total Organic Carbon	25300		500	mg/Kg
Tango Range	W-1	SSTRW1S-0-3-03	4/18/2007	0	3	SW8330	Nitoglycerine	33000		2500	ug/Kg
Tango Range	W-1	SSTRW1S-0-3-03	4/18/2007	0	3	SW9045	pH	5.9		0	SU
Tango Range	W-1	SSTRW1S-0-3-03	4/18/2007	0	3	TOC - LK	Total Organic Carbon	26800		500	mg/Kg
Tango Range	W-1	SSTRW1S-0-3-04	4/18/2007	0	3	SW8330	Nitoglycerine	30000		2500	ug/Kg
Tango Range	W-1	SSTRW1S-0-3-04	4/18/2007	0	3	SW9045	pH	5.9		0	SU
Tango Range	W-1	SSTRW1S-0-3-04	4/18/2007	0	3	TOC - LK	Total Organic Carbon	30500		500	mg/Kg
Tango Range	W-2	SSTRW2S-0-3-01	4/17/2007	0	3	SW8330	Nitoglycerine	ND	U	2500	ug/Kg
Tango Range	W-2	SSTRW2S-0-3-01	4/17/2007	0	3	SW9045	pH	7.1		0	SU
Tango Range	W-2	SSTRW2S-0-3-01	4/17/2007	0	3	TOC - LK	Total Organic Carbon	18700		500	mg/Kg
Tango Range	W-3	SSTRW3S-0-3-01	4/18/2007	0	3	SW8330	Nitoglycerine	ND	U	2500	ug/Kg
Tango Range	W-3	SSTRW3S-0-3-01	4/18/2007	0	3	SW9045	pH	6.1		0	SU
Tango Range	W-3	SSTRW3S-0-3-01	4/18/2007	0	3	TOC - LK	Total Organic Carbon	42600		500	mg/Kg
Tango Range	W-3 Duplicate	SSTRW3S-0-3-01D	4/18/2007	0	3	SW8330	Nitoglycerine	ND	U	2500	ug/Kg
Tango Range	W-3 Duplicate	SSTRW3S-0-3-01D	4/18/2007	0	3	SW9045	pH	6.4		0	SU
Tango Range	W-3 Duplicate	SSTRW3S-0-3-01D	4/18/2007	0	3	TOC - LK	Total Organic Carbon	44500		500	mg/Kg
Tango Range	W-4	SSTRW4S-0-3-01	4/17/2007	0	3	SW8330	Nitoglycerine	3300		2500	ug/Kg
Tango Range	W-4	SSTRW4S-0-3-01	4/17/2007	0	3	SW9045	pH	7.1		0	SU
Tango Range	W-4	SSTRW4S-0-3-01	4/17/2007	0	3	TOC - LK	Total Organic Carbon	16300		500	mg/Kg
Tango Range	C-1	SSTRC1S-0-3-01	4/20/2007	0	3	SW8330	Nitoglycerine	50000		2500	ug/Kg
Tango Range	C-1	SSTRC1S-0-3-01	4/20/2007	0	3	SW8332	Nitoglycerine and degradation by products	43000		1000	ug/Kg
Tango Range	C-1	SSTRC1S-0-3-01	4/20/2007	0	3	SW8332	1,2-Dinitrolycerin	ND	U	1000	ug/Kg
Tango Range	C-1	SSTRC1S-0-3-01	4/20/2007	0	3	SW8332	1,3-Dinitrolycerin	ND	U	1000	ug/Kg
Tango Range	C-1	SSTRC1S-0-3-01	4/20/2007	0	3	SW8332	1-mono-nitrolycerin	ND	U	5000	ug/Kg
Tango Range	C-1	SSTRC1S-0-3-01	4/20/2007	0	3	SW8332	2-mono-nitrolycerin	ND	U	5000	ug/Kg
Tango Range	C-1	SSTRC1S-0-3-01	4/20/2007	0	3	SW9045	pH	6.7		0	SU
Tango Range	C-1	SSTRC1S-0-3-01	4/20/2007	0	3	TOC - LK	Total Organic Carbon	19400		500	mg/Kg
Tango Range	C-1	SSTRC1S-0-3-01	4/20/2007	0	3	SW6010	Antimony	0.62	B	0.16	mg/Kg
Tango Range	C-1	SSTRC1S-0-3-01	4/20/2007	0	3	SW6010	Copper	12.8		1.6	mg/Kg
Tango Range	C-1	SSTRC1S-0-3-01	4/20/2007	0	3	SW6010	Lead	137		1.6	mg/Kg
Tango Range	C-1	SSTRC1S-0-3-01	4/20/2007	0	3	SW6010	Zinc	19.6		0.5	mg/Kg

Tango Range - Preliminary Data

Data has NOT been validated

Area of Concern	Location	Sample ID	Date	Top of Sampling Interval (inches)	Bottom of Sampling Interval (inches)	Method	Analyte	Result	Qual	RL	Units
Tango Range	C-1	SSTRC1D-3-6-01	4/24/2007	3	6	SW8330	Nitoglycerine	3800		2500	ug/Kg
Tango Range	C-1	SSTRC1D-3-6-01	4/24/2007	3	6	SW8332	Nitoglycerine and degradation by products	1600		1000	ug/Kg
Tango Range	C-1	SSTRC1D-3-6-01	4/24/2007	3	6	SW8332	1,2-Dinitroglycerin	ND	U	1000	ug/Kg
Tango Range	C-1	SSTRC1D-3-6-01	4/24/2007	3	6	SW8332	1,3-Dinitroglycerin	ND	U	1000	ug/Kg
Tango Range	C-1	SSTRC1D-3-6-01	4/24/2007	3	6	SW8332	1-mono-nitroglycerin	ND	U	5000	ug/Kg
Tango Range	C-1	SSTRC1D-3-6-01	4/24/2007	3	6	SW8332	2-mono-nitroglycerin	ND	U	5000	ug/Kg
Tango Range	C-1	SSTRC1D-3-6-01	4/24/2007	3	6	SW9045	pH	6.5		0	SU
Tango Range	C-1	SSTRC1D-3-6-01	4/24/2007	3	6	TOC - LK	Total Organic Carbon	8030		500	mg/Kg
Tango Range	C-1	SSTRC1D-3-6-01	4/24/2007	3	6	SW6010	Antimony	ND	U	0.16	mg/Kg
Tango Range	C-1	SSTRC1D-3-6-01	4/24/2007	3	6	SW6010	Copper	12.7		1.6	mg/Kg
Tango Range	C-1	SSTRC1D-3-6-01	4/24/2007	3	6	SW6010	Lead	45.9		1.6	mg/Kg
Tango Range	C-1	SSTRC1D-3-6-01	4/24/2007	3	6	SW6010	Zinc	22.3		0.5	mg/Kg
Tango Range	C-1	SSTRC1D-6-9-01	4/24/2007	6	9	SW8330	Nitoglycerine	ND	U	2500	ug/Kg
Tango Range	C-1	SSTRC1D-6-9-01	4/24/2007	6	9	SW8332	Nitoglycerine and degradation by products	ND	U	1000	ug/Kg
Tango Range	C-1	SSTRC1D-6-9-01	4/24/2007	6	9	SW8332	1,2-Dinitroglycerin	ND	U	1000	ug/Kg
Tango Range	C-1	SSTRC1D-6-9-01	4/24/2007	6	9	SW8332	1,3-Dinitroglycerin	ND	U	1000	ug/Kg
Tango Range	C-1	SSTRC1D-6-9-01	4/24/2007	6	9	SW8332	1-mono-nitroglycerin	ND	U	5000	ug/Kg
Tango Range	C-1	SSTRC1D-6-9-01	4/24/2007	6	9	SW8332	2-mono-nitroglycerin	ND	U	5000	ug/Kg
Tango Range	C-1	SSTRC1D-6-9-01	4/24/2007	6	9	SW9045	pH	6.4		0	SU
Tango Range	C-1	SSTRC1D-6-9-01	4/24/2007	6	9	TOC - LK	Total Organic Carbon	7830		500	mg/Kg
Tango Range	C-1	SSTRC1D-6-9-01	4/24/2007	6	9	SW6010	Antimony	ND	U	0.16	mg/Kg
Tango Range	C-1	SSTRC1D-6-9-01	4/24/2007	6	9	SW6010	Copper	8.2		1.6	mg/Kg
Tango Range	C-1	SSTRC1D-6-9-01	4/24/2007	6	9	SW6010	Lead	49.9		1.6	mg/Kg
Tango Range	C-1	SSTRC1D-6-9-01	4/24/2007	6	9	SW6010	Zinc	22.1		0.5	mg/Kg
Tango Range	C-1	SSTRC1D-9-12-01	4/24/2007	9	12	SW8330	Nitoglycerine	2600		2500	ug/Kg
Tango Range	C-1	SSTRC1D-9-12-01	4/24/2007	9	12	SW8332	Nitoglycerine and degradation by products	1400		1000	ug/Kg
Tango Range	C-1	SSTRC1D-9-12-01	4/24/2007	9	12	SW8332	1,2-Dinitroglycerin	ND	U	1000	ug/Kg
Tango Range	C-1	SSTRC1D-9-12-01	4/24/2007	9	12	SW8332	1,3-Dinitroglycerin	ND	U	1000	ug/Kg
Tango Range	C-1	SSTRC1D-9-12-01	4/24/2007	9	12	SW8332	1-mono-nitroglycerin	ND	U	5000	ug/Kg
Tango Range	C-1	SSTRC1D-9-12-01	4/24/2007	9	12	SW8332	2-mono-nitroglycerin	ND	U	5000	ug/Kg
Tango Range	C-1	SSTRC1D-9-12-01	4/24/2007	9	12	SW9045	pH	6.4		0	SU
Tango Range	C-1	SSTRC1D-9-12-01	4/24/2007	9	12	TOC - LK	Total Organic Carbon	6780		500	mg/Kg
Tango Range	C-1	SSTRC1D-9-12-01	4/24/2007	9	12	SW6010	Antimony	ND	U	0.16	mg/Kg
Tango Range	C-1	SSTRC1D-9-12-01	4/24/2007	9	12	SW6010	Copper	7.8		1.6	mg/Kg
Tango Range	C-1	SSTRC1D-9-12-01	4/24/2007	9	12	SW6010	Lead	26.4		1.6	mg/Kg
Tango Range	C-1	SSTRC1D-9-12-01	4/24/2007	9	12	SW6010	Zinc	24.9		0.5	mg/Kg
Tango Range	C-1	SSTRC1D-12-18-01	4/24/2007	12	18	SW8330	Nitoglycerine	3800		2500	ug/Kg
Tango Range	C-1	SSTRC1D-12-18-01	4/24/2007	12	18	SW8332	Nitoglycerine and degradation by products	1200		1000	ug/Kg
Tango Range	C-1	SSTRC1D-12-18-01	4/24/2007	12	18	SW8332	1,2-Dinitroglycerin	ND	U	1000	ug/Kg
Tango Range	C-1	SSTRC1D-12-18-01	4/24/2007	12	18	SW8332	1,3-Dinitroglycerin	ND	U	1000	ug/Kg
Tango Range	C-1	SSTRC1D-12-18-01	4/24/2007	12	18	SW8332	1-mono-nitroglycerin	ND	U	5000	ug/Kg

Tango Range - Preliminary Data

Data has NOT been validated

Area of Concern	Location	Sample ID	Date	Top of Sampling Interval (inches)	Bottom of Sampling Interval (inches)	Method	Analyte	Result	Qual	RL	Units
Tango Range	C-1	SSTRC1D-12-18-01	4/24/2007	12	18	SW8332	2-mono-nitroglycerin	ND	U	5000	ug/Kg
Tango Range	C-1	SSTRC1D-12-18-01	4/24/2007	12	18	SW9045	pH	6.2		0	SU
Tango Range	C-1	SSTRC1D-12-18-01	4/24/2007	12	18	TOC - LK	Total Organic Carbon	5900		500	mg/Kg
Tango Range	C-1	SSTRC1D-12-18-01	4/24/2007	12	18	SW6010	Antimony	0.2	B	0.16	mg/Kg
Tango Range	C-1	SSTRC1D-12-18-01	4/24/2007	12	18	SW6010	Copper	7.4		1.6	mg/Kg
Tango Range	C-1	SSTRC1D-12-18-01	4/24/2007	12	18	SW6010	Lead	10.4		1.6	mg/Kg
Tango Range	C-1	SSTRC1D-12-18-01	4/24/2007	12	18	SW6010	Zinc	22.6		0.5	mg/Kg
Tango Range	C-1	SSTRC1D-18-24-01	4/24/2007	18	24	SW8330	Nitoglycerine	3700		2500	ug/Kg
Tango Range	C-1	SSTRC1D-18-24-01	4/24/2007	18	24	SW8332	Nitoglycerine and degradation by products	2100		1000	ug/Kg
Tango Range	C-1	SSTRC1D-18-24-01	4/24/2007	18	24	SW8332	1,2-Dinitroglycerin	ND	U	1000	ug/Kg
Tango Range	C-1	SSTRC1D-18-24-01	4/24/2007	18	24	SW8332	1,3-Dinitroglycerin	ND	U	1000	ug/Kg
Tango Range	C-1	SSTRC1D-18-24-01	4/24/2007	18	24	SW8332	1-mono-nitroglycerin	ND	U	5000	ug/Kg
Tango Range	C-1	SSTRC1D-18-24-01	4/24/2007	18	24	SW8332	2-mono-nitroglycerin	ND	U	5000	ug/Kg
Tango Range	C-1	SSTRC1D-18-24-01	4/24/2007	18	24	SW9045	pH	6.2		0	SU
Tango Range	C-1	SSTRC1D-18-24-01	4/24/2007	18	24	TOC - LK	Total Organic Carbon	5050		500	mg/Kg
Tango Range	C-1	SSTRC1D-18-24-01	4/24/2007	18	24	SW6010	Antimony	ND	U	0.16	mg/Kg
Tango Range	C-1	SSTRC1D-18-24-01	4/24/2007	18	24	SW6010	Copper	8.2		1.6	mg/Kg
Tango Range	C-1	SSTRC1D-18-24-01	4/24/2007	18	24	SW6010	Lead	10.9		1.6	mg/Kg
Tango Range	C-1	SSTRC1D-18-24-01	4/24/2007	18	24	SW6010	Zinc	23.4		0.5	mg/Kg

Tango Range - Preliminary Data

Data has NOT been validated

Area of Concern	Location	Sample ID	Date	Top of Sampling Interval (inches)	Bottom of Sampling Interval (inches)	Method	Analyte	Result	Qual	RL	Units
Tango Range	C-2	SSTRC2S-0-3-01	4/20/2007	0	3	SW8330	Nitoglycerine	ND	U	2500	ug/Kg
Tango Range	C-2	SSTRC2S-0-3-01	4/20/2007	0	3	SW8332	Nitoglycerine and degradation by products	1100		1000	ug/Kg
Tango Range	C-2	SSTRC2S-0-3-01	4/20/2007	0	3	SW8332	1,2-Dinitroglycerin	ND	U	1000	ug/Kg
Tango Range	C-2	SSTRC2S-0-3-01	4/20/2007	0	3	SW8332	1,3-Dinitroglycerin	ND	U	1000	ug/Kg
Tango Range	C-2	SSTRC2S-0-3-01	4/20/2007	0	3	SW8332	1-mono-nitroglycerin	ND	U	5000	ug/Kg
Tango Range	C-2	SSTRC2S-0-3-01	4/20/2007	0	3	SW8332	2-mono-nitroglycerin	ND	U	5000	ug/Kg
Tango Range	C-2	SSTRC2S-0-3-01	4/20/2007	0	3	SW9045	pH	7.2		0	SU
Tango Range	C-2	SSTRC2S-0-3-01	4/20/2007	0	3	TOC - LK	Total Organic Carbon	12300		500	mg/Kg
Tango Range	C-2	SSTRC2S-0-3-01	4/20/2007	0	3	SW6010	Antimony	2.7	B	0.16	mg/Kg
Tango Range	C-2	SSTRC2S-0-3-01	4/20/2007	0	3	SW6010	Copper	35		1.6	mg/Kg
Tango Range	C-2	SSTRC2S-0-3-01	4/20/2007	0	3	SW6010	Lead	518		1.6	mg/Kg
Tango Range	C-2	SSTRC2S-0-3-01	4/20/2007	0	3	SW6010	Zinc	23.1		0.5	mg/Kg
Tango Range	C-2	SSTRC2D-3-6-01	4/24/2007	3	6	SW8330	Nitoglycerine	ND	U	2500	ug/Kg
Tango Range	C-2	SSTRC2D-3-6-01	4/24/2007	3	6	SW8332	Nitoglycerine and degradation by products	ND	U	1000	ug/Kg
Tango Range	C-2	SSTRC2D-3-6-01	4/24/2007	3	6	SW8332	1,2-Dinitroglycerin	ND	U	1000	ug/Kg
Tango Range	C-2	SSTRC2D-3-6-01	4/24/2007	3	6	SW8332	1,3-Dinitroglycerin	ND	U	1000	ug/Kg
Tango Range	C-2	SSTRC2D-3-6-01	4/24/2007	3	6	SW8332	1-mono-nitroglycerin	ND	U	5000	ug/Kg
Tango Range	C-2	SSTRC2D-3-6-01	4/24/2007	3	6	SW8332	2-mono-nitroglycerin	ND	U	5000	ug/Kg
Tango Range	C-2	SSTRC2D-3-6-01	4/24/2007	3	6	SW9045	pH	7.0		0	SU
Tango Range	C-2	SSTRC2D-3-6-01	4/24/2007	3	6	TOC - LK	Total Organic Carbon	9740		500	mg/Kg
Tango Range	C-2	SSTRC2D-3-6-01	4/24/2007	3	6	SW6010	Antimony	0.83	B	0.16	mg/Kg
Tango Range	C-2	SSTRC2D-3-6-01	4/24/2007	3	6	SW6010	Copper	19.2		1.6	mg/Kg
Tango Range	C-2	SSTRC2D-3-6-01	4/24/2007	3	6	SW6010	Lead	206		1.6	mg/Kg
Tango Range	C-2	SSTRC2D-3-6-01	4/24/2007	3	6	SW6010	Zinc	28		0.5	mg/Kg
Tango Range	C-2	SSTRC2D-6-9-01	4/24/2007	6	9	SW8330	Nitoglycerine	ND	U	2500	ug/Kg
Tango Range	C-2	SSTRC2D-6-9-01	4/24/2007	6	9	SW8332	Nitoglycerine and degradation by products	ND	U	1000	ug/Kg
Tango Range	C-2	SSTRC2D-6-9-01	4/24/2007	6	9	SW8332	1,2-Dinitroglycerin	ND	U	1000	ug/Kg
Tango Range	C-2	SSTRC2D-6-9-01	4/24/2007	6	9	SW8332	1,3-Dinitroglycerin	ND	U	1000	ug/Kg
Tango Range	C-2	SSTRC2D-6-9-01	4/24/2007	6	9	SW8332	1-mono-nitroglycerin	ND	U	5000	ug/Kg
Tango Range	C-2	SSTRC2D-6-9-01	4/24/2007	6	9	SW8332	2-mono-nitroglycerin	ND	U	5000	ug/Kg
Tango Range	C-2	SSTRC2D-6-9-01	4/24/2007	6	9	SW9045	pH	6.8		0	SU
Tango Range	C-2	SSTRC2D-6-9-01	4/24/2007	6	9	TOC - LK	Total Organic Carbon	11500		500	mg/Kg
Tango Range	C-2	SSTRC2D-6-9-01	4/24/2007	6	9	SW6010	Antimony	0.72	B	0.16	mg/Kg
Tango Range	C-2	SSTRC2D-6-9-01	4/24/2007	6	9	SW6010	Copper	9.7		1.6	mg/Kg
Tango Range	C-2	SSTRC2D-6-9-01	4/24/2007	6	9	SW6010	Lead	193		1.6	mg/Kg
Tango Range	C-2	SSTRC2D-6-9-01	4/24/2007	6	9	SW6010	Zinc	31.7		0.5	mg/Kg
Tango Range	C-2	SSTRC2D-9-12-01	4/24/2007	9	12	SW8330	Nitoglycerine	ND	U	2500	ug/Kg
Tango Range	C-2	SSTRC2D-9-12-01	4/24/2007	9	12	SW8332	Nitoglycerine and degradation by products	ND	U	1000	ug/Kg
Tango Range	C-2	SSTRC2D-9-12-01	4/24/2007	9	12	SW8332	1,2-Dinitroglycerin	ND	U	1000	ug/Kg
Tango Range	C-2	SSTRC2D-9-12-01	4/24/2007	9	12	SW8332	1,3-Dinitroglycerin	ND	U	1000	ug/Kg
Tango Range	C-2	SSTRC2D-9-12-01	4/24/2007	9	12	SW8332	1-mono-nitroglycerin	ND	U	5000	ug/Kg

Tango Range - Preliminary Data

Data has NOT been validated

Area of Concern	Location	Sample ID	Date	Top of Sampling Interval (inches)	Bottom of Sampling Interval (inches)	Method	Analyte	Result	Qual	RL	Units
Tango Range	C-2	SSTRC2D-9-12-01	4/24/2007	9	12	SW8332	2-mono-nitroglycerin	ND	U	5000	ug/Kg
Tango Range	C-2	SSTRC2D-9-12-01	4/24/2007	9	12	SW9045	pH	6.5		0	SU
Tango Range	C-2	SSTRC2D-9-12-01	4/24/2007	9	12	TOC - LK	Total Organic Carbon	9450		500	mg/Kg
Tango Range	C-2	SSTRC2D-9-12-01	4/24/2007	9	12	SW6010	Antimony	ND	U	0.16	mg/Kg
Tango Range	C-2	SSTRC2D-9-12-01	4/24/2007	9	12	SW6010	Copper	8.3		1.6	mg/Kg
Tango Range	C-2	SSTRC2D-9-12-01	4/24/2007	9	12	SW6010	Lead	96.3		1.6	mg/Kg
Tango Range	C-2	SSTRC2D-9-12-01	4/24/2007	9	12	SW6010	Zinc	31		0.5	mg/Kg
Tango Range	C-2	SSTRC2D-12-18-01	4/24/2007	12	18	SW8330	Nitoglycerine	ND	U	2500	ug/Kg
Tango Range	C-2	SSTRC2D-12-18-01	4/24/2007	12	18	SW8332	Nitoglycerine and degradation by products	ND	U	1000	ug/Kg
Tango Range	C-2	SSTRC2D-12-18-01	4/24/2007	12	18	SW8332	1,2-Dinitroglycerin	ND	U	1000	ug/Kg
Tango Range	C-2	SSTRC2D-12-18-01	4/24/2007	12	18	SW8332	1,3-Dinitroglycerin	ND	U	1000	ug/Kg
Tango Range	C-2	SSTRC2D-12-18-01	4/24/2007	12	18	SW8332	1-mono-nitroglycerin	ND	U	5000	ug/Kg
Tango Range	C-2	SSTRC2D-12-18-01	4/24/2007	12	18	SW8332	2-mono-nitroglycerin	ND	U	5000	ug/Kg
Tango Range	C-2	SSTRC2D-12-18-01	4/24/2007	12	18	SW9045	pH	6.2		0	SU
Tango Range	C-2	SSTRC2D-12-18-01	4/24/2007	12	18	TOC - LK	Total Organic Carbon	7520		500	mg/Kg
Tango Range	C-2	SSTRC2D-12-18-01	4/24/2007	12	18	SW6010	Antimony	ND	U	0.16	mg/Kg
Tango Range	C-2	SSTRC2D-12-18-01	4/24/2007	12	18	SW6010	Copper	10.4		1.6	mg/Kg
Tango Range	C-2	SSTRC2D-12-18-01	4/24/2007	12	18	SW6010	Lead	40.7		1.6	mg/Kg
Tango Range	C-2	SSTRC2D-12-18-01	4/24/2007	12	18	SW6010	Zinc	32.4		0.5	mg/Kg

Tango Range - Preliminary Data

Data has NOT been validated

Area of Concern	Location	Sample ID	Date	Top of Sampling Interval (inches)	Bottom of Sampling Interval (inches)	Method	Analyte	Result	Qual	RL	Units
Tango Range	C-2	SSTRC2D-18-24-01	4/24/2007	18	24	SW8330	Nitoglycerine	ND	U	2500	ug/Kg
Tango Range	C-2	SSTRC2D-18-24-01	4/24/2007	18	24	SW8332	Nitoglycerine and degradation by products	ND	U	1000	ug/Kg
Tango Range	C-2	SSTRC2D-18-24-01	4/24/2007	18	24	SW8332	1,2-Dinitroglycerin	ND	U	1000	ug/Kg
Tango Range	C-2	SSTRC2D-18-24-01	4/24/2007	18	24	SW8332	1,3-Dinitroglycerin	ND	U	1000	ug/Kg
Tango Range	C-2	SSTRC2D-18-24-01	4/24/2007	18	24	SW8332	1-mono-nitroglycerin	ND	U	5000	ug/Kg
Tango Range	C-2	SSTRC2D-18-24-01	4/24/2007	18	24	SW8332	2-mono-nitroglycerin	ND	U	5000	ug/Kg
Tango Range	C-2	SSTRC2D-18-24-01	4/24/2007	18	24	SW9045	pH	6.2		0	SU
Tango Range	C-2	SSTRC2D-18-24-01	4/24/2007	18	24	TOC - LK	Total Organic Carbon	5330		500	mg/Kg
Tango Range	C-2	SSTRC2D-18-24-01	4/24/2007	18	24	SW6010	Antimony	ND	U	0.16	mg/Kg
Tango Range	C-2	SSTRC2D-18-24-01	4/24/2007	18	24	SW6010	Copper	21.8		1.6	mg/Kg
Tango Range	C-2	SSTRC2D-18-24-01	4/24/2007	18	24	SW6010	Lead	37.9		1.6	mg/Kg
Tango Range	C-2	SSTRC2D-18-24-01	4/24/2007	18	24	SW6010	Zinc	33.1		0.5	mg/Kg
Tango Range	C-3	SSTRC3S-0-3-01	4/18/2007	0	3	SW8330	Nitoglycerine	2700		2500	ug/Kg
Tango Range	C-3	SSTRC3S-0-3-01	4/18/2007	0	3	SW9045	pH	7.1		0	SU
Tango Range	C-3	SSTRC3S-0-3-01	4/18/2007	0	3	TOC - LK	Total Organic Carbon	29900		500	mg/Kg
Tango Range	C-4	SSTRC4S-0-3-01	4/17/2007	0	3	SW8330	Nitoglycerine	ND	U	2500	ug/Kg
Tango Range	C-4	SSTRC4S-0-3-01	4/17/2007	0	3	SW9045	pH	7.2		0	SU
Tango Range	C-4	SSTRC4S-0-3-01	4/17/2007	0	3	TOC - LK	Total Organic Carbon	11000		500	mg/Kg
Tango Range	C-4 Duplicate	SSTRC4S-0-3-01D	4/17/2007	0	3	SW8330	Nitoglycerine	ND	U	2500	ug/Kg
Tango Range	C-4 Duplicate	SSTRC4S-0-3-01D	4/17/2007	0	3	SW9045	pH	7.4		0	SU
Tango Range	C-4 Duplicate	SSTRC4S-0-3-01D	4/17/2007	0	3	TOC - LK	Total Organic Carbon	10100		500	mg/Kg
Tango Range	E-1	SSTRE1S-0-3-01	4/18/2007	0	3	SW8330	Nitoglycerine	4300		2500	ug/Kg
Tango Range	E-1	SSTRE1S-0-3-01	4/18/2007	0	3	SW9045	pH	6.0		0	SU
Tango Range	E-1	SSTRE1S-0-3-01	4/18/2007	0	3	TOC - LK	Total Organic Carbon	18300		500	mg/Kg
Tango Range	E-1	SSTRE1S-0-3-02	4/18/2007	0	3	SW8330	Nitoglycerine	8200		2500	ug/Kg
Tango Range	E-1	SSTRE1S-0-3-02	4/18/2007	0	3	SW9045	pH	6.0		0	SU
Tango Range	E-1	SSTRE1S-0-3-02	4/18/2007	0	3	TOC - LK	Total Organic Carbon	18900		500	mg/Kg
Tango Range	E-1	SSTRE1S-0-3-03	4/18/2007	0	3	SW8330	Nitoglycerine	6900		2500	ug/Kg
Tango Range	E-1	SSTRE1S-0-3-03	4/18/2007	0	3	SW9045	pH	5.9		0	SU
Tango Range	E-1	SSTRE1S-0-3-03	4/18/2007	0	3	TOC - LK	Total Organic Carbon	18500		500	mg/Kg
Tango Range	E-1	SSTRE1S-0-3-04	4/18/2007	0	3	SW8330	Nitoglycerine	5300		2500	ug/Kg
Tango Range	E-1	SSTRE1S-0-3-04	4/18/2007	0	3	SW9045	pH	5.9		0	SU
Tango Range	E-1	SSTRE1S-0-3-04	4/18/2007	0	3	TOC - LK	Total Organic Carbon	20100		500	mg/Kg
Tango Range	E-2	SSTRE2S-0-3-01	4/18/2007	0	3	SW8330	Nitoglycerine	ND	U	2500	ug/Kg
Tango Range	E-2	SSTRE2S-0-3-01	4/18/2007	0	3	SW9045	pH	6.0		0	SU
Tango Range	E-2	SSTRE2S-0-3-01	4/18/2007	0	3	TOC - LK	Total Organic Carbon	41100		500	mg/Kg
Tango Range	E-3	SSTRE3S-0-3-01	4/18/2007	0	3	SW8330	Nitoglycerine	ND	U	2500	ug/Kg

Tango Range - Preliminary Data

Data has NOT been validated

Area of Concern	Location	Sample ID	Date	Top of Sampling Interval (inches)	Bottom of Sampling Interval (inches)	Method	Analyte	Result	Qual	RL	Units
Tango Range	E-3	SSTRE3S-0-3-01	4/18/2007	0	3	SW9045	pH	6.1		0	SU
Tango Range	E-3	SSTRE3S-0-3-01	4/18/2007	0	3	TOC - LK	Total Organic Carbon	37000		500	mg/Kg

Area of Concern	Location	Sample ID	Date	Top of Sampling Interval (inches)	Bottom of Sampling Interval (inches)	Method	Analyte	Result	Qual	RL	Units
Tango Range	E-4	SSTRE4S-0-3-01	4/19/2007	0	3	SW8330	Nitoglycerine	ND	U	2500	ug/Kg
Tango Range	E-4	SSTRE4S-0-3-01	4/19/2007	0	3	SW9045	pH	6.5		0	SU
Tango Range	E-4	SSTRE4S-0-3-01	4/19/2007	0	3	TOC - LK	Total Organic Carbon	15800		500	mg/Kg
Tango Range		CRREL Blank 1	4/24/2007			SW8330	Nitoglycerine	ND	U	2500	ug/Kg
Tango Range		CRREL Blank 1	4/24/2007			SW9045	pH	8.3		0	SU
Tango Range		CRREL Blank 1	4/24/2007			TOC - LK	Total Organic Carbon	ND	U	500	mg/Kg
Tango Range		CRREL Blank 2	4/24/2007			SW8330	Nitoglycerine	ND	U	2500	ug/Kg
Tango Range		CRREL Blank 2	4/24/2007			SW9045	pH	8.2		0	SU
Tango Range		CRREL Blank 2	4/24/2007			TOC - LK	Total Organic Carbon	ND	U	500	mg/Kg
Tango Range		CRREL Blank 4-24-07	4/27/2007			SW8330	Nitoglycerine	ND	U	2500	ug/Kg
Tango Range		CRREL Blank 4-24-07	4/27/2007			SW9045	pH	8.2		0	SU
Tango Range		CRREL Blank 4-24-07	4/27/2007			TOC - LK	Total Organic Carbon	ND	U	500	mg/Kg
Tango Range		CRREL Blank 4-24-07	4/27/2007			SW6010	Antimony	ND	U	0.16	mg/Kg
Tango Range		CRREL Blank 4-24-07	4/27/2007			SW6010	Copper	4.2		1.6	mg/Kg
Tango Range		CRREL Blank 4-24-07	4/27/2007			SW6010	Lead	3.7		1.6	mg/Kg
Tango Range		CRREL Blank 4-24-07	4/27/2007			SW6010	Zinc	15.4		0.5	mg/Kg
Tango Range		CRREL Blank 4-25-07	4/27/2007			SW8330	Nitoglycerine	ND	U	2500	ug/Kg
Tango Range		CRREL Blank 4-25-07	4/27/2007			SW9045	pH	8.0		0	SU
Tango Range		CRREL Blank 4-25-07	4/27/2007			TOC - LK	Total Organic Carbon	ND	U	500	mg/Kg
Tango Range		CRREL Blank 4-25-07	4/27/2007			SW6010	Antimony	0.39	B	0.16	mg/Kg
Tango Range		CRREL Blank 4-25-07	4/27/2007			SW6010	Copper	8.3		1.6	mg/Kg
Tango Range		CRREL Blank 4-25-07	4/27/2007			SW6010	Lead	68.4		1.6	mg/Kg
Tango Range		CRREL Blank 4-25-07	4/27/2007			SW6010	Zinc	16.2		0.5	mg/Kg

FLDSAMPID Scheme -

SS

TR

W, C, E

1, 2, 3, 4

S, D

-0-3-

-01, -02, etc.

Soil Sample

Tango Range

West, Center, or East section

Section distance from Firing Line

Surfical or Depth Sample

Depth of sample interval in inches from surface (ex. 0-3 inches)

Sequential sample number

Notes:

* Data has NOT been validated

All samples were ground at CRREL prior to extraction and analysis

CRREL BLANK - Two blanks are provided by CRREL with each Sample Delivery Group (SDG)